

Premier Aviation, Inc.
2621 Aviation Parkway
Grand Prairie, TX 75051

Dwg. No. 309-62001
STC SH7934SW

FAA APPROVED
ROTORCRAFT FLIGHT MANUAL SUPPLEMENT
FOR BELL 212 HELICOPTER
WITH
AUXILIARY GENERATOR POWER SYSTEM

REGISTRATION NO. _____

SERIAL NO. _____

This supplement must be attached to the FAA Approved Rotorcraft Flight Manual when the Auxiliary Generator Power System is installed in accordance with STC SH7934SW. The information contained herein supplements or supersedes the basic manual only in those areas listed herein. For limitations, procedures and performance information not contained in this supplement, consult the basic Rotorcraft Flight Manual.

FAA APPROVED: _____

for LARRY M. KELLY, MANAGER,
ROTORCRAFT CERTIFICATION OFFICE
FEDERAL AVIATION ADMINISTRATION
DEPARTMENT OF TRANSPORTATION
SOUTHWEST REGION
FORT WORTH, TEXAS

FAA APPROVED: July 12, 1991
REV: A JUN 18 1993

Page 1 of 4

STC'd PRINT

Premier Aviation, Inc.
2621 Aviation Parkway
Grand Prairie, TX 75051

Dwg. No. 309-62001
STC SH7934SW

<u>REV</u>	<u>DATE</u>	<u>PAGE(S)</u>	<u>DESCRIPTION</u>
A	6-16-93	2	Sect. I Limitations Add IFR configuration

FAA APPROVED

W. D. Whitlock

FAA APPROVED: July 12, 1991
REV: A JUN 18 1993

Page 1a of 4

STC'd PRINT

Premier Aviation, Inc.
2621 Aviation Parkway
Grand Prairie, TX 75051

Dwg. No. 309-62001
STC SH7934SW

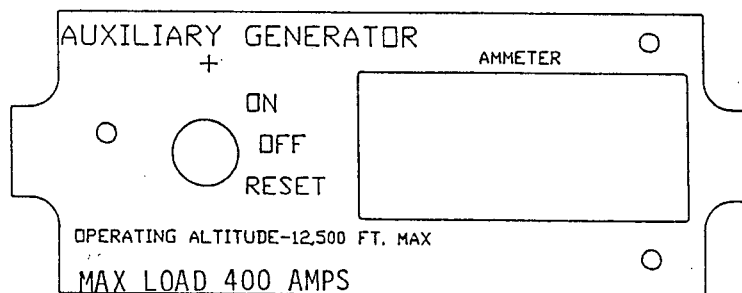
GENERAL

1. The auxiliary generator is a 400 amp, forced ambient air cooled power supply. It's electrical bus operates independently of the aircraft main electrical system. However, both the main and auxiliary busses are powered simultaneously through the ground power plug. The auxiliary generator is driven from a transmission quill accessory pad. The auxiliary generator will be operated normally within the entire range of Rotor RPM above 70%.

SECTION I - LIMITATIONS -- WITH AUXILIARY GENERATOR ON

1. Reduce maximum gross take off weight limit by 300 lbs.
2. Maximum generator load -- 400 amps, up to 12,500 feet pressure altitude.
3. Auxiliary generator use above 12,500 feet not approved.
4. The auxiliary generator may not be used when the main rotor RPM is below 70%.
5. Installation of Premier Aviation, Inc. Cowling B64-13011 is required.
6. Type of operation is limited to the VFR configuration or the IFR configuration with the dorsal fin removed.
7. Required Placard(s)

On or adjacent to the aux generator load meter/control panel:



FAA APPROVED: July 12, 1991
REV: A JUN 18 1993

Page 2 of 4

STC'd PRINT

SECTION II - NORMAL PROCEDURES

1. Move the Auxiliary Generator switch to the "ON" position.

NOTE

The digital load meter will display amperage of the 400 amp generator in use. A zero indicated with the load meter in the "ON" position means no current is being used or nothing connected to the auxiliary generating system has been turned on.

2. Move the Auxiliary Generator switch to the "OFF" position during normal shutdown porcedures or if the auxiliary generator is no longer desired.
3. The "RESET" switch position clears the auxiliary generator relay and allows the auxiliary generator to be turned on again if the system has dropped off line during use.

SECTION III - EMERGENCY PROCEDURES

1. FAILURE OF GENERATOR
 - a. In case of failure of the auxiliary generator, the auxiliary generator will in no way affect the aircraft primary power generating system.
 - b. Monitor generator load. Do not exceed 400 amps.
2. ENGINE OUT (1 or 2)
 - a. In case of failure of engine 1 or 2, place auxiliary generator "ON/OFF/RESTET" switch in the "OFF" position. Refer to basic 212 RFM "Emergency Procedures".

SECTION IV - MALFUNCTIONS

1. NO CHANGE.

Premier Aviation, Inc.
2621 Aviation Parkway
Grand Prairie, TX 75051

Dwg. No. 309-62001
STC SH7934SW

SECTION V - PERFORMANCE

1. Rate of climb is reduced 150 fpm with auxiliary generator in use.

FAA APPROVED: July 12, 1991

Page 4 of 4

STC'd PRINT